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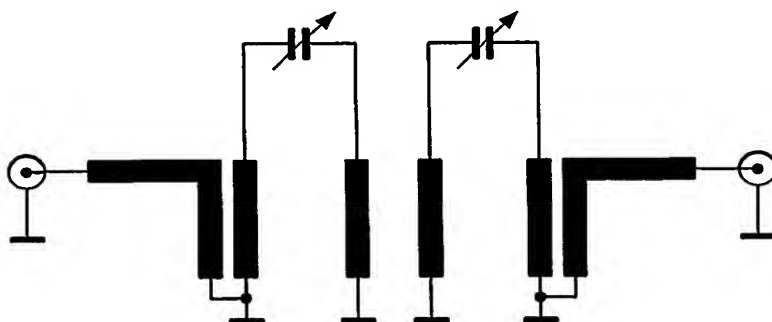
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- (71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE];** Stein-  
damm 94, 20099 Hamburg (DE).
- (71) Applicant (for all designated States except DE, US):  
**KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven  
(NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **TSILIOUKAS,**  
**Efthimios [GR/DE];** c/o Philips Intellectual Property &  
Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).
- (74) Agent: **VOLMER, Georg;** Philips Intellectual Property &  
Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).
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(54) Title: **MICROSTRIP FILTER OF SHORT LENGTH**



(57) Abstract: A description is given of a high frequency filter comprising microstrips. The filter comprises at least two resonators (16, 18) which each have, as frequency-determining elements, a first straight microstrip section (28) and a second straight microstrip section (30), which are parallel next to each other, and also a capacitor assembly (22). In each resonator the capacitor assembly is connected between first ends of the microstrip sections and each resonator is exclusively connected to ground at the second ends of the

microstrip sections. In each resonator (16, 18) the sum of the two microstrip sections acts as inductive element. The resonators (16, 18) therefore act in the same manner as a resonator having a single microstrip, the length of which corresponds essentially to the sum of the lengths of the first microstrip section (28) and the second microstrip section (30). This construction of a filter allows a shorter design compared to conventional filter structures.

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